

Tel: # Erik R. Swenson
(212) 524-7700
Fax: # (212) 527-7701

Examiner's Notes

20/59.7, 199

* ID5(04/12/2002)*

Idsu

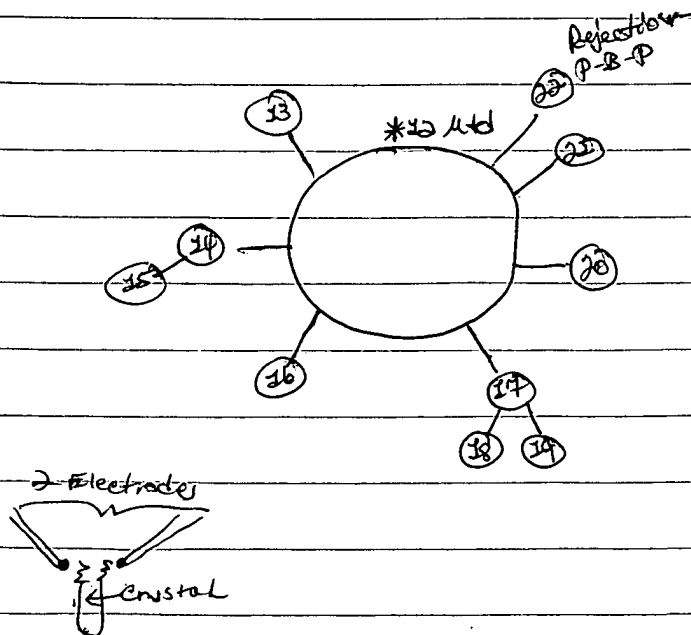
- L1 $S(\text{crystal})$ (4a) (nonlinear (8a) optical)
 L2 $S(\text{foreign (6a) atom})$
 L3 $S(\text{removal or elimination or rid or decrease})$ (8a) (electron) (8a) (crystal)
 L4 $S(\text{lithium (6a) titanate or } \text{LiNbO}_3 \text{ or } \text{LiTaO}_3 \text{ or lithium (6a) niobate})$ (8a) (crystal)
 L5 $S(\text{convert? or alter? or change?})$ (6a) (foreign (6a) atom) (8a) (crystal) (crystal)

Objection to Specification:

- Proper Title Section need to be inserted,

193 Rej.

Chms 12-16 (Blue reference)



claim 12, 13, 14

"light-Induced charge Transport processes in photorefractive crystals # Materials"

But teaches a method for treating LiNbO_3 & LiTaO_3 crystals comprising
~~Fe + Cu~~
doping, ~~then~~ in order to change the distribution of charge between
traps with different optical excitation energies.

Does not teach remove trapped electrons using external current source
Claims 15 & 16 Obvious optimization

Teaches